Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/21/2019 10:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124496	-1	1.37	124535	1.39
Blue	F	SSC	125000	123643	-2	1.46	124484	1.47
Blue	E	FITC	16122	15727	-3	2.77	343	19.51
Blue	D	PE	29316	28662	-3	1.97	624	14.68
Blue	B	PerCP-Cy5-5	42590	41869	-2	3.74	1125	20.07
Blue	A	PE-Cy7	33146	32753	-2	6.12	628	40.76
Red	C	APC	45473	45143	-1	2.48	1594	12.29
Red	A	APC-Cy7	31961	30782	-4	2.39	812	11.96
Violet	B	V450	7914	7486	-6	4.47	416	13.21
Violet	A	V500	29769	28805	-4	4.28	670	10.72

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20679	2.90	606	6	N/A	N/A	Pass
Blue	F	SSC	56195	1.08	551	13	N/A	N/A	Pass
Blue	E	FITC	63	60.01	540	3	0.0205	77	Pass
Blue	D	PE	129	49.99	542	5	0.1654	276	Pass
Blue	B	PerCP-Cy5-5	206	49.78	648	10	0.0094	75	Pass
Blue	A	PE-Cy7	117	98.84	701	10	0.0108	10	Pass
Red	C	APC	378	25.64	588	9	0.0236	143	Pass
Red	A	APC-Cy7	179	29.46	563	7	0.0057	1370	Pass
Violet	B	V450	65	58.83	462	2	0.0522	2057	Pass
Violet	A	V500	100	33.63	475	3	0.0218	673	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.30	-31.81	1.03
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.51
Red	15.63	13.60 - 20.40	N/A	N/A	29.36	29.85	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11362

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments